

EXHIBIT A
ABSTRACT

FILED September 5, 2002

IN U.S. PATENT APPLICATION SERIAL NO. 09/161,122
ATTORNEY DOCKET NO. 7682-045-999

ABSTRACT

The present invention relates to genetically engineered recombinant Respiratory Syncytial Viruses and viral vectors which contain heterologous genes for use as vaccines. In accordance with the present invention, the recombinant RSV viral vectors and viruses are engineered to contain heterologous genes, including genes of other viruses, pathogens, cellular genes, tumor antigens, or to encode combinations of genes from different strains of RSV.